

Fig. 1

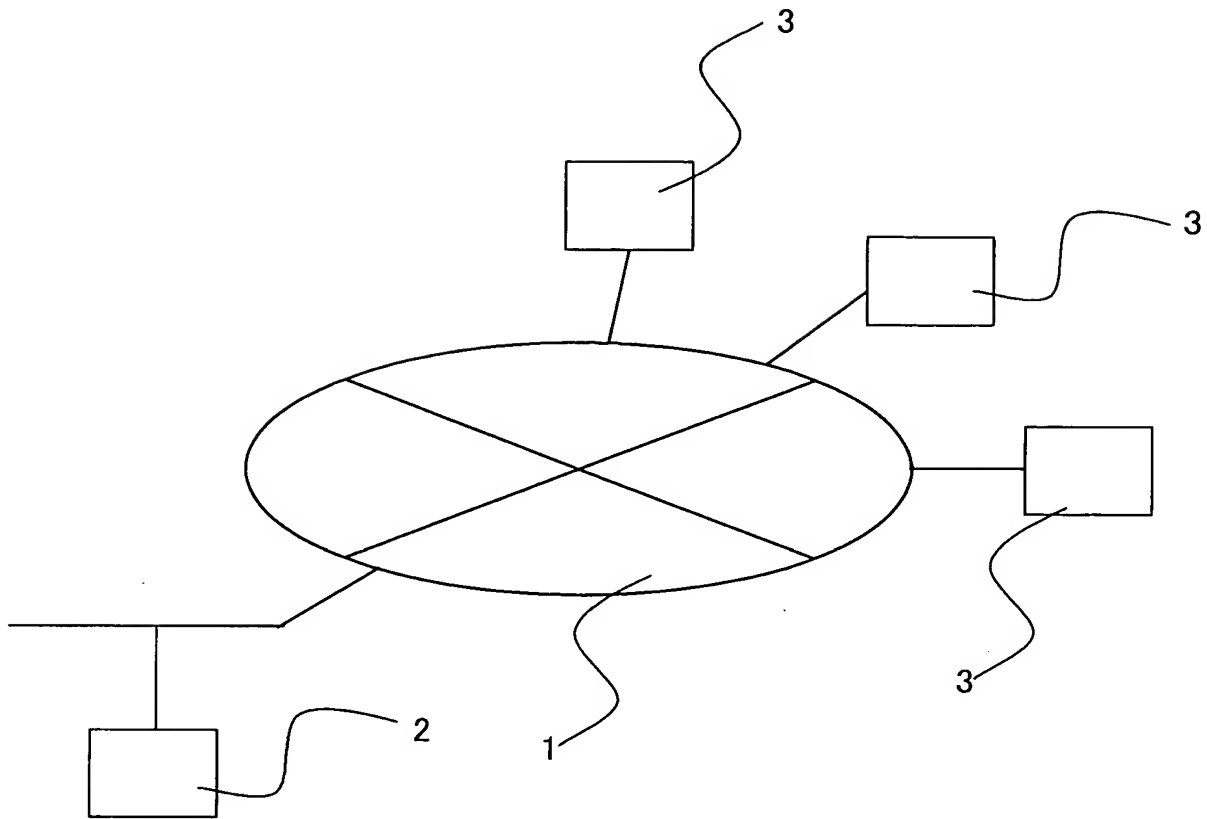


Fig. 2

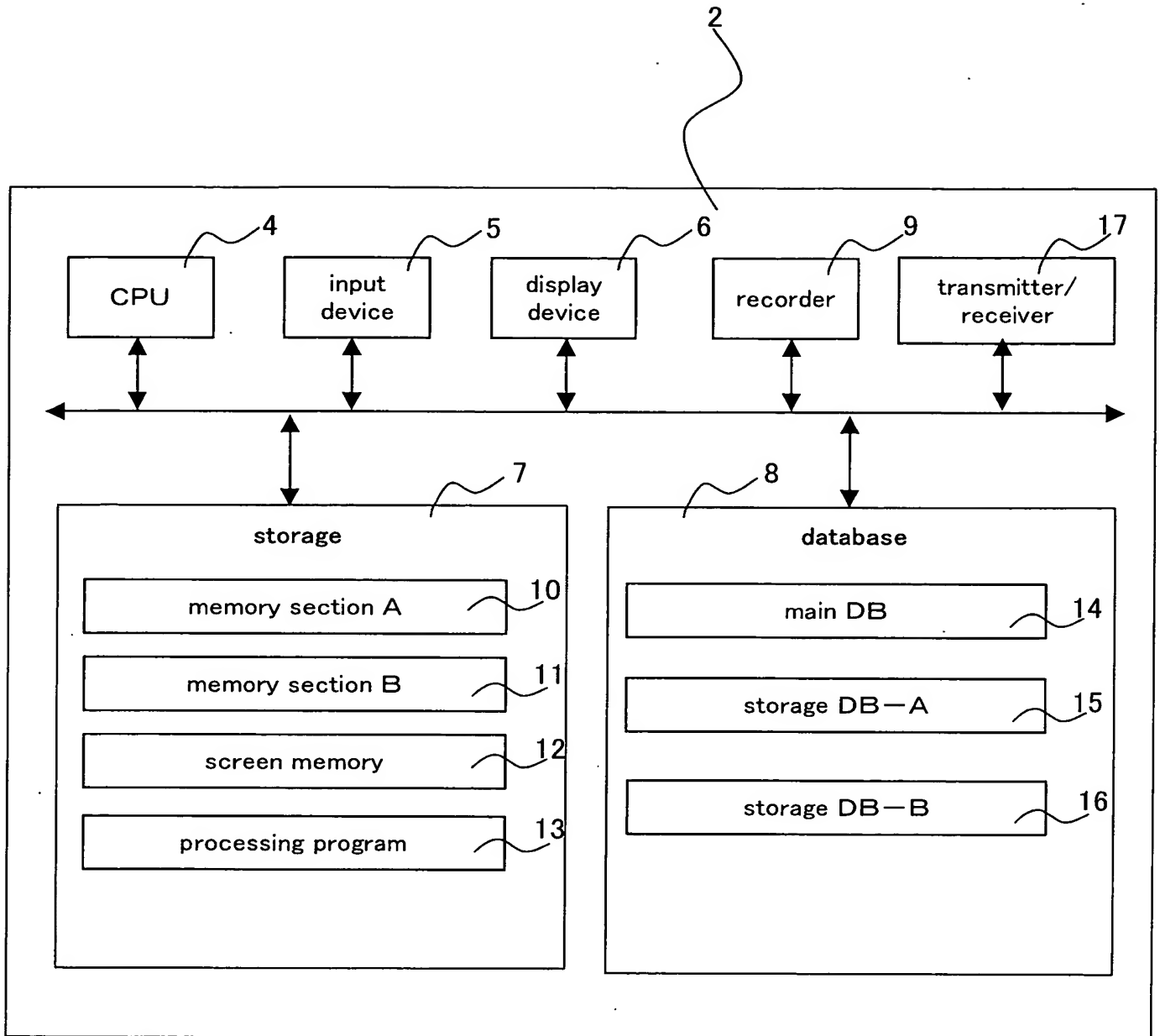


Fig. 3

| Polymorphism address | ..... | Polymorphism classification | Polymorphism pattern | Classification<br>(name of disease) | Annotative information on the polymorphism pattern<br>(morbidity rate) | ..... | Level of disclosure<br>(disclosability) |
|----------------------|-------|-----------------------------|----------------------|-------------------------------------|--|-------|---|
| 123456               | ..... | SNP                         | A                    | hypertension                        | a  | ..... | ○                                       |
| 123456               | ..... | SNP                         | G                    | hypertension                        | b  | ..... | ○                                       |
| 223456               | ..... | SNP                         | G                    | large-boowel cancer                 | (i)  | ..... | ○                                       |
| 223456               | ..... | SNP                         | A                    | large-boowel cancer                 | (ii)   | ..... | ○                                       |
| 234567               | ..... | SNP                         | G                    | stomach cancer                      | c  | ..... | ○                                       |
| 234567               | ..... | SNP                         | A                    | stomach cancer                      | d  | ..... | ○                                       |
| 334567               | ..... | SNP                         | A                    | asthma                              | (iii)  | ..... | ○                                       |
| 334567               | ..... | SNP                         | G                    | asthma                              | (iv)   | ..... | ○                                       |
| 345678               | ..... | SNP                         | C                    | diabetes                            | e  | ..... | ○                                       |
| 345678               | ..... | SNP                         | T                    | diabetes                            | f  | ..... | ○                                       |
| 445678               | ..... | SNP                         | T                    | lung cancer                         | (I)  | ..... | ○                                       |
| 445678               | ..... | SNP                         | C                    | lung cancer                         | (II)   | ..... | ○                                       |
| 456789               | ..... | SNP                         | T                    | pollinosis                          | g  | ..... | ○                                       |
| 456789               | ..... | SNP                         | C                    | pollinosis                          | h  | ..... | ○                                       |
| :                    | :     | microsatellite              | 14 times             | immedicable disease                 | —  | :     | ×                                       |
| :                    | :     | microsatellite              | 9 times              | immedicable disease                 | —  | :     | ×                                       |
| :                    | :     | deletion                    | G                    | :                                   | :  | :     | ○                                       |
| :                    | :     | deletion                    | deletion             | :                                   | :  | :     | ○                                       |

Fig. 4

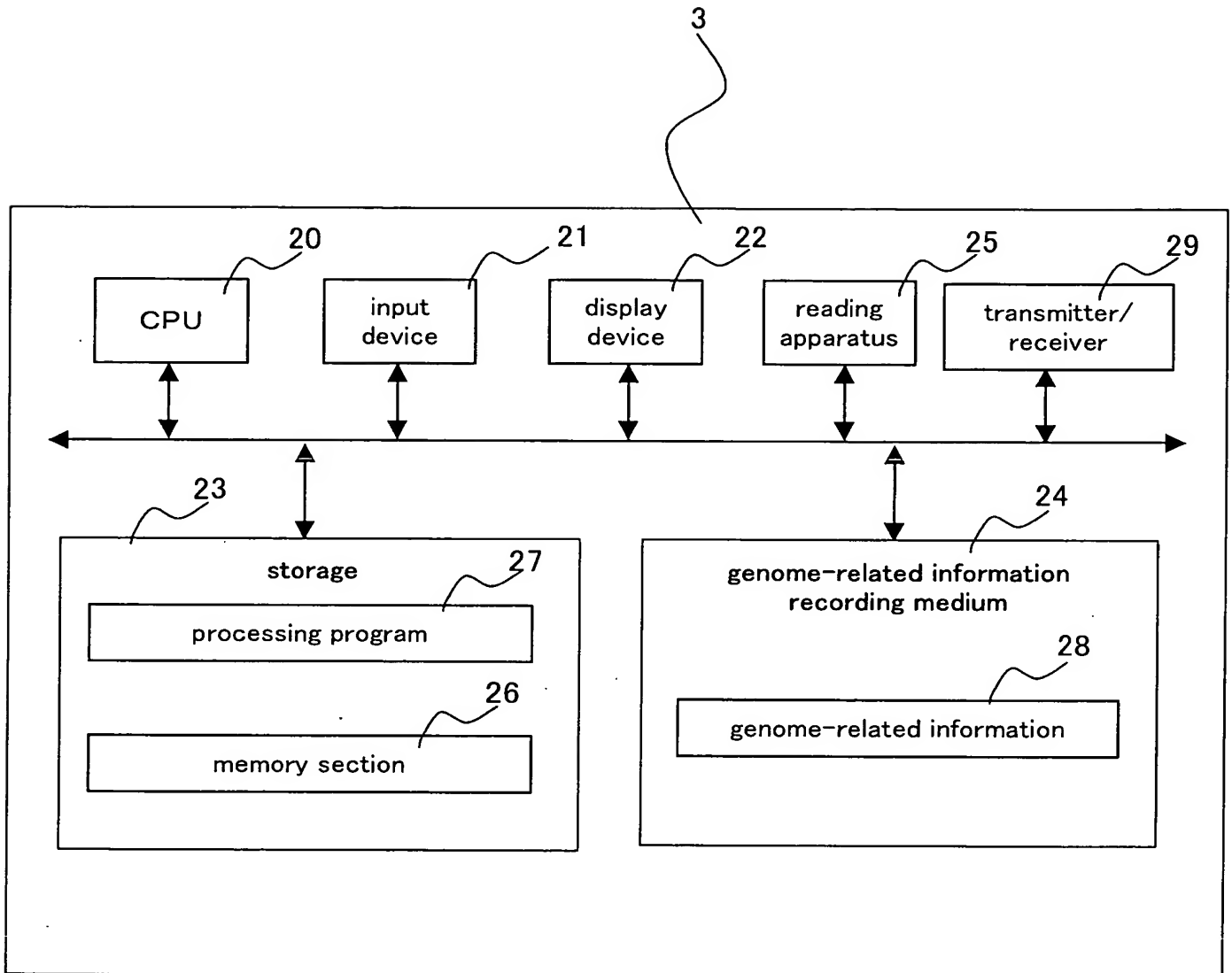


Fig. 5

I

| Gno. | Date of birth |
|------|---------------|
| 0001 | **,**,****    |

II

| Polymorphism address | Polymorphism pattern | Flag information | Comment |
|----------------------|----------------------|------------------|---------|
| 000001               | G                    |                  | .....   |
| 000002               | T                    |                  | .....   |
| :                    | :                    | :                | :       |
| 123456               | A                    |                  | .....   |
| :                    | :                    | :                | :       |
| 223456               | G                    |                  | .....   |
| :                    | :                    | :                | :       |
| 234567               | G                    |                  | .....   |
| :                    | :                    | :                | :       |
| 334567               | G                    |                  | .....   |
| :                    | :                    | :                | :       |
| 345678               | C                    |                  | .....   |
| :                    | :                    | :                | :       |
| 445678               | T                    |                  | .....   |
| :                    | :                    | :                | :       |
| 456789               | T                    |                  | .....   |
| 456790               | G                    |                  | .....   |
| 456791               | 14 times             | N                | .....   |
| 456792               | deletion             |                  | .....   |
| :                    | :                    | :                | :       |
| 666666               | A                    | N                | .....   |
| :                    | :                    | :                | :       |
| 777777               | G                    | N                | .....   |
| :                    | :                    | :                | :       |
| 888888               | C                    | N                | .....   |
| :                    | :                    | :                | :       |

III

| Anamnesis        |
|------------------|
| infantile asthma |
| gout             |
| pollinosis       |
| gastric ulcer    |
| atopy            |
| hypertension     |
| diabetes         |

IV

| Characteristics    | Record |
|--------------------|--------|
| blood type         | .....  |
| body height        | .....  |
| body weight        | .....  |
| vision             | .....  |
| running ability    | .....  |
| psychological test | .....  |
| :                  | :      |
| :                  | :      |

V.....

| .....<br>(clinical record, etc.) |
|----------------------------------|
| .....                            |
| .....                            |
| .....                            |
| .....                            |
| .....                            |
| .....                            |
| .....                            |
| .....                            |

Fig. 6

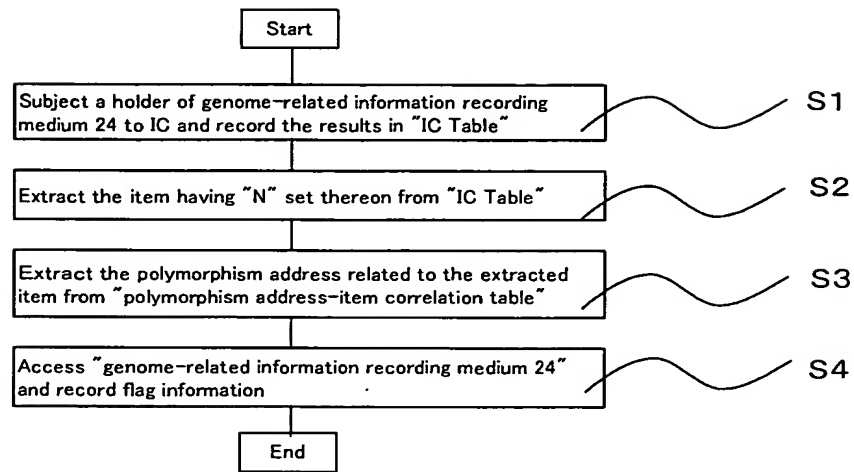


Fig. 7

|      |                     |                      |  |
|------|---------------------|----------------------|--|
| Gno. | 0001                |                      |  |
|      | Item                | Mandatorily set item | Arbitrarily set item<br>(Result of IC) |
|      | IQ                  | N                    |  |
|      | Lifespan            | N                    |  |
|      | Immedicable disease |                      | N                                      |
|      | Large-bowel cancer  |                      |  |
|      | Breast cancer       |                      |  |
|      | :                   |                      |  |

Fig. 8

| Polymorphism address     | Item                |
|--------------------------|---------------------|
| 000001                   |                     |
| 000002                   |                     |
| :                        |                     |
| 111111                   | IQ                  |
| :                        |                     |
| 222222                   | Lifespan            |
| :                        |                     |
| 333333                   | IQ                  |
| :                        |                     |
| 444444                   | Lifespan            |
| :                        |                     |
| 456791                   | Immedicable disease |
| :                        |                     |
| 555555                   | Immedicable disease |
| :                        |                     |
| 600000                   |                     |
| :                        |                     |
| 666666&777777<br>&888888 | Immedicable disease |
| :                        |                     |
| 900000                   |                     |
| 900001                   |                     |
| :                        |                     |



Fig. 9

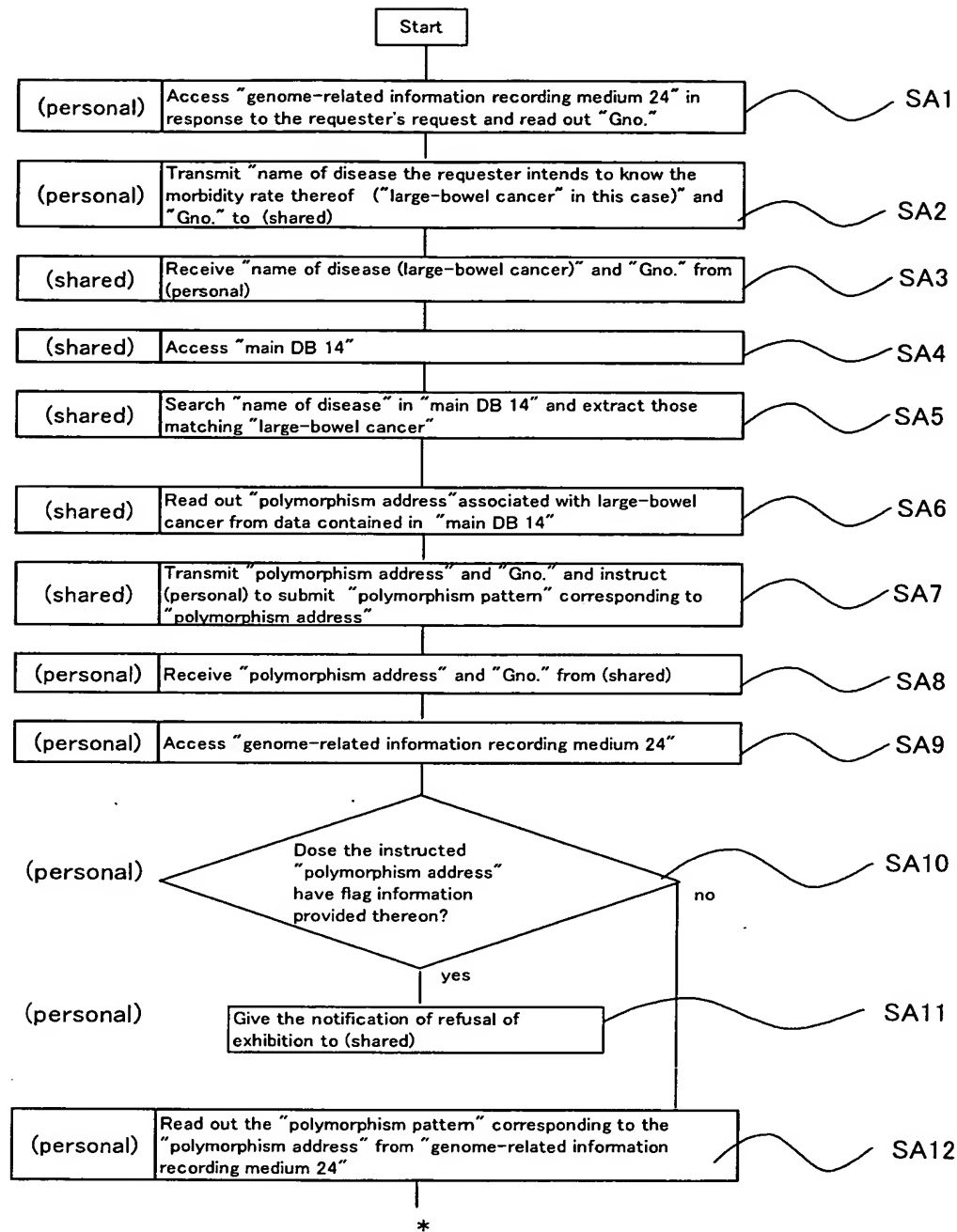


Fig. 10

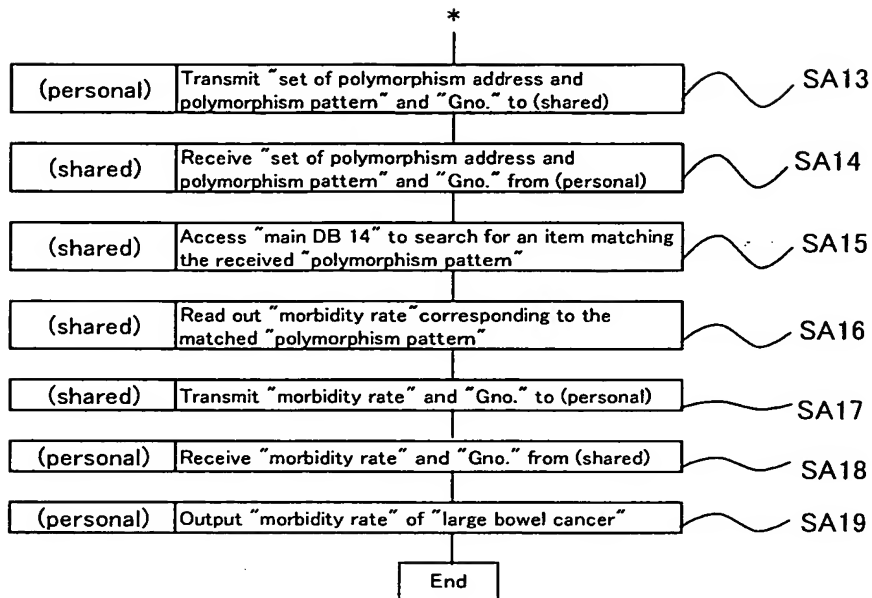


Fig. 11

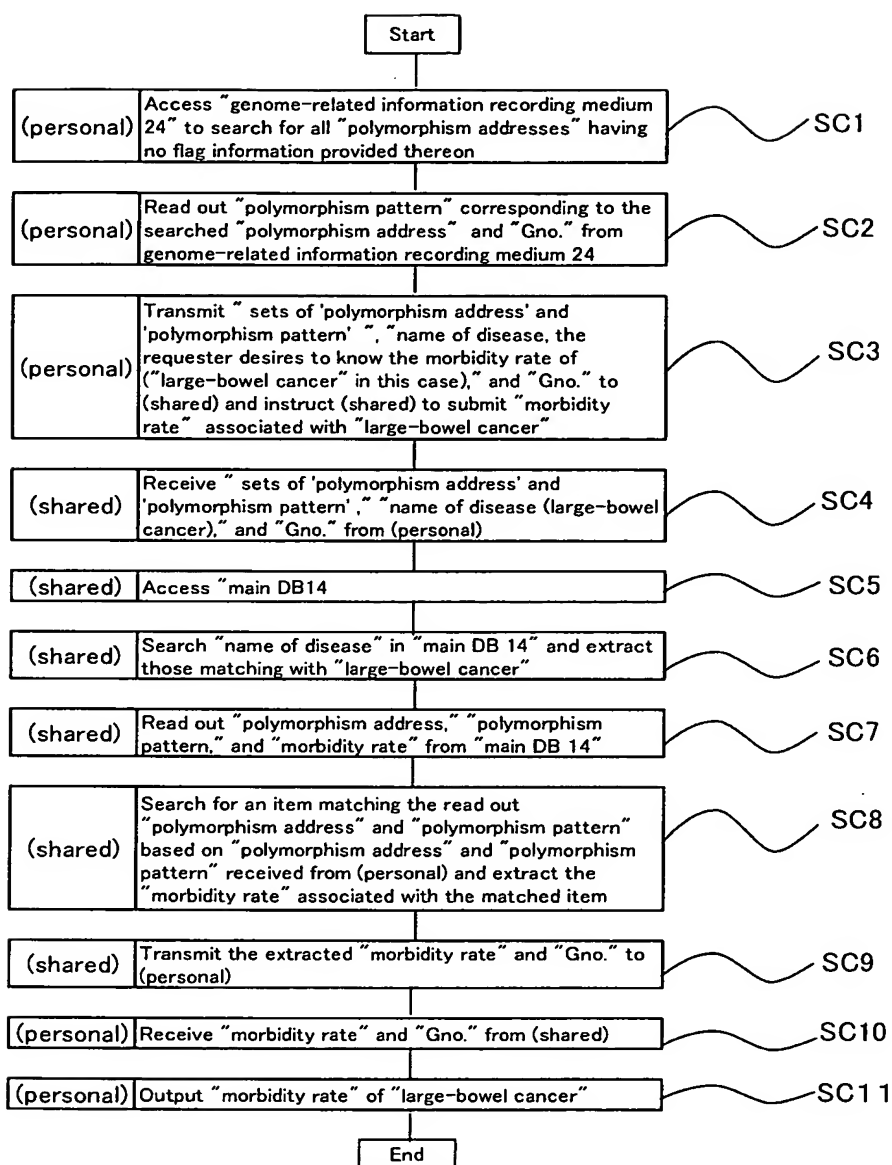


Fig. 12

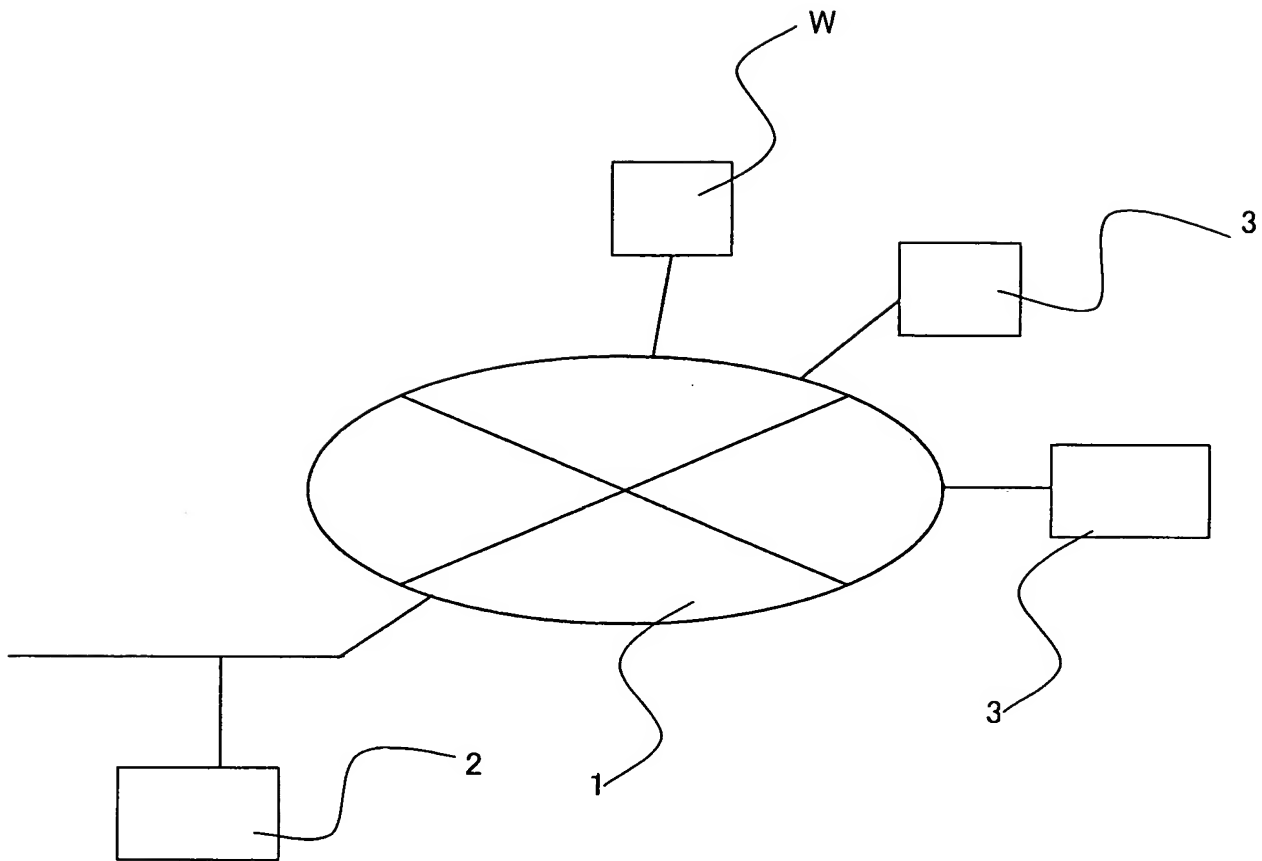


Fig. 13

| Polymorphism address     | Flag information |
|--------------------------|------------------|
| 000001                   |                  |
| 000002                   |                  |
| :                        |                  |
| 111111                   | N                |
| :                        |                  |
| 222222                   | N                |
| :                        |                  |
| 333333                   | N                |
| :                        |                  |
| 444444                   | N                |
| :                        |                  |
| 456791                   | N                |
| :                        |                  |
| 555555                   | N                |
| :                        |                  |
| 600000                   |                  |
| :                        |                  |
| 666666&777777<br>&888888 | N                |
| :                        |                  |
| 900000                   |                  |
| 900001                   |                  |
| :                        |                  |

Fig. 14

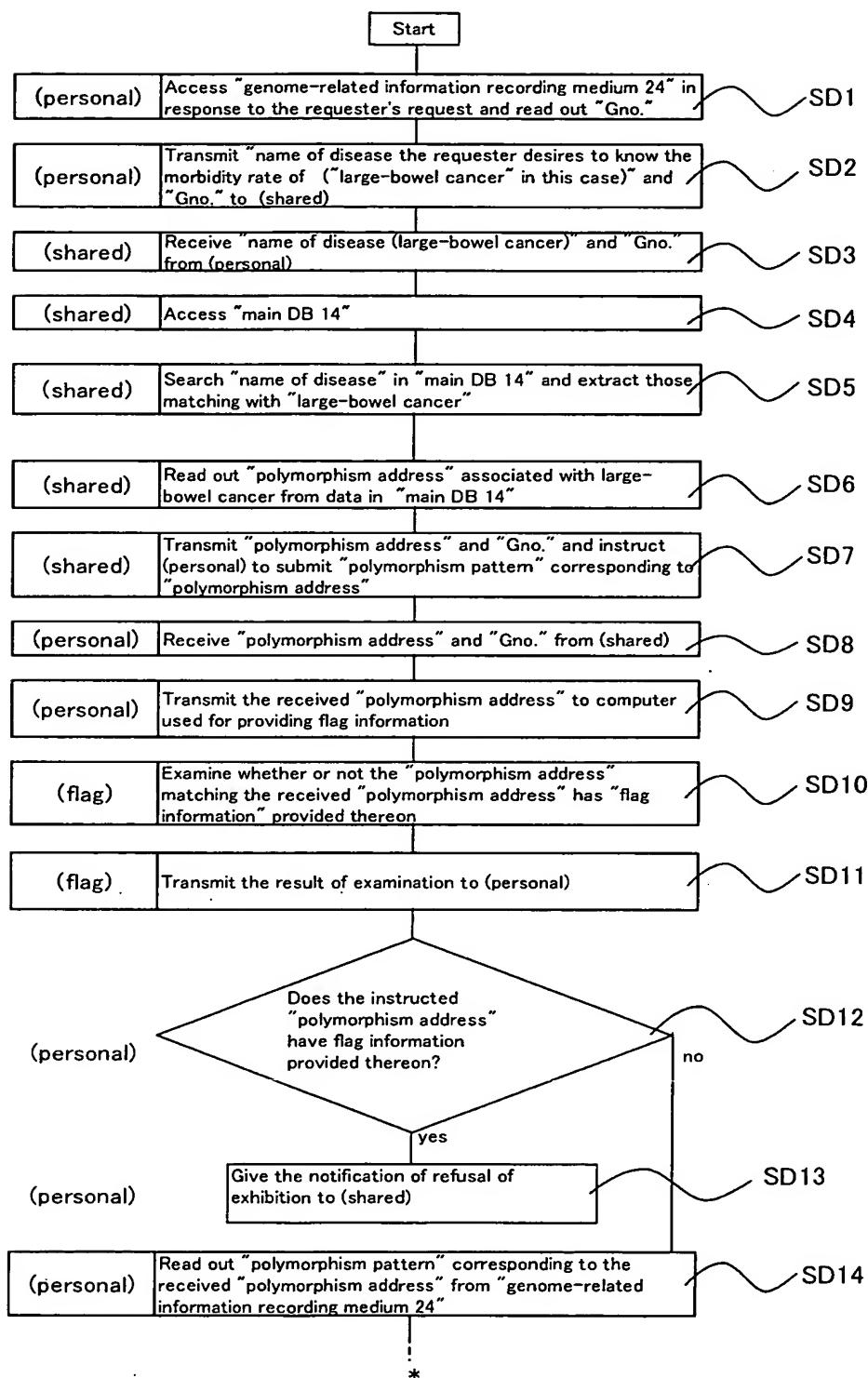


Fig. 15

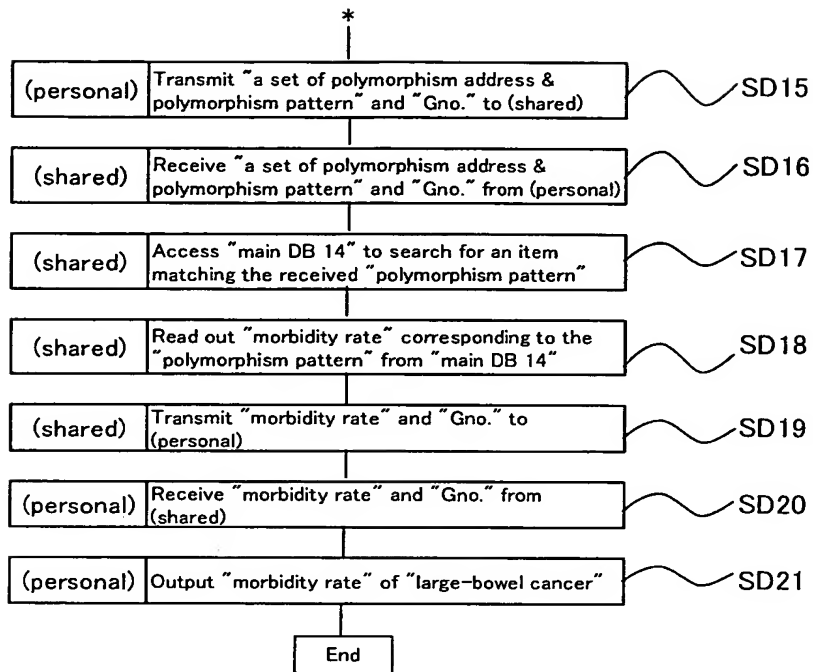


Fig. 16

